

Patent Claims

Subex 1.

Supporting device for a portable device, in particular a device for measuring or testing, preferably components of electrical or optical networks, comprising:

- a supporting plate, which is an integral part of or may be attached to the device,
- a supporting frame, which can be mounted on a base on one end and which on the other end is arranged adjustable on at least one sliding guide located at the supporting frame and
- at least one lever, which is pivoting mounted on one end at the supporting frame between its ends, basically around a first swivel shaft running parallel to the base and which is on the other end pivoting mounted on the supporting plate below the sliding guide around a second swivel shaft running parallel to the first swivel shaft,
- whereas the sliding guide has at least one locking recess along the sliding edges bordering the supporting plate of the device, in which the end of the supporting frame guided by the sliding guide engages positive-fit in order to support the base plate.

2. Supporting device according to claim 1, **wherein** the end of the supporting frame arranged in the sliding guide is pivoting mounted around a third swivel shaft which runs parallel to the first swivel shaft and is arranged adjustable perpendicular to the first swivel shaft along the supporting plate.

3. Supporting device according to claim 1, **wherein** the sliding guide and Kinematics developed between supporting plate, supporting frame and lever are selected in such a manner that the supporting frame can be adjusted to a maximum position, in which the supporting frame rests on or with an inside on the base, in which the supporting plate with a supporting area which is arranged above the sliding guide rests on an outside of the supporting frame, and in which the end of the supporting frame which is turned away from the sliding guide does not or only insignificantly overlap the supporting area.

4. Supporting device according to claim 1, **wherein** the governing point of the lever is arranged closer to the end of the supporting frame which is guided by the sliding guide than to the end of the supporting frame which is turned away from the sliding guide.

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5. Supporting device according to claim 1, **wherein** the sliding guide and Kinematics developed between supporting plate, supporting frame and lever are selected in such a manner that the supporting frame can be adjusted to a "not in use" position, in which the supporting frame rests with its inside on a reverse side of the supporting plate facing the supporting frame in which the lever runs mostly parallel to the inside of the supporting frame and mostly parallel to the reverse side of the supporting plate between the two of them.

6. Supporting device according to claim 5, **wherein** the supporting frame contains at least one recess on it's interior side, in which the lever extends in the "not in use" position of the supporting frame.

7. Supporting device according to claim 1, **wherein** the supporting plate contains a recess in its reverse side, in which the supporting frame is arranged essentially countersunk in its "not in use" position.

8. Supporting device according to claim 1, with an essentially U-shaped supporting frame, whereas each extension is pivoted at the end to which it is connected to the supporting plate in an integrated sliding guide, whereas each extension has a separate lever.

9. Supporting device according to claim 1, **wherein** the supporting device is designed as an integral part of the device.

10. Supporting device according to claim 1, **wherein** the supporting device is designed as a separate component of the device.

11. Supporting device according to claim 10, **wherein** quick connectors will be used to secure the supporting device to the device.

12. Supporting device according to claim 1, **wherein** the supporting device is designed to be impact resistant and/or impact absorbing.
- 5 13. Supporting device according to claim 1, **wherein** the supporting device is made out of plastic.
14. Device for measuring or testing components of electrical circuits or optical networks with a supporting device according to claim 1.
- 10 15. Device according to claim 14, **wherein** the device encompasses a TDR or is designed as a TDR.
16. Device according to one of the claims 14, **wherein** the device encompasses an OTDR or is designed as an OTDR.
17. Device according to claim 14, **wherein** the device encompasses a WDM or is designed as a WDM or WDM tester.

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